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Mauna Loa Solar Observatory Observer's Log  
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Thu Jun 7 17:26:45 GMT 2012

Year: 12 Doy: 159

Observer: berkey

Thu Jun 7 17:33:04 GMT 2012 MKIV Start Patrol

Thu Jun 07 17:33:07 GMT 2012 H-ALPHA Start Patrol

Thu Jun 7 17:34:15 GMT 2012 CHIP Start Patrol

WEATHER COMMENT: Thu Jun 7 17:34:40 GMT 2012

Patchy cirrus, temp 52f, wind 15mph from se

\_\_\_\_end\_\_\_\_

Thu Jun 07 17:43:14 GMT 2012 COMP Start Patrol

Thu Jun 7 17:43:31 GMT 2012: PSPT Start Patrol

Thu Jun 07 17:54:51 GMT 2012 COMP End Patrol

Thu Jun 7 17:56:59 GMT 2012 MKIV End Patrol

Thu Jun 7 18:01:46 GMT 2012 CHIP LSD

Thu Jun 7 18:03:37 GMT 2012 CHIP End LSD

Thu Jun 7 18:03:45 GMT 2012 CHIP BiasLSD

Thu Jun 7 18:04:33 GMT 2012 CHIP End BiasLSD

Thu Jun 7 18:04:41 GMT 2012 CHIP Bias

Thu Jun 7 18:05:25 GMT 2012 CHIP End Bias

Thu Jun 7 18:05:33 GMT 2012 CHIP ReStart Patrol

NOTE BY BEN: Thu Jun 7 18:54:44 GMT 2012

HawTel connection going down for a few minutes

\_\_\_\_end\_\_\_\_

Thu Jun 7 19:04:08 GMT 2012: PSPT Start Patrol

Thu Jun 7 21:35:31 GMT 2012 MKIV Start Patrol

Thu Jun 7 21:41:41 GMT 2012 MKIV End Patrol

NOTE BY BEN: Thu Jun 7 21:49:39 GMT 2012

Hawtel had trouble with their network upgrade; so it took a couple hours instead of the initial estimate of 15 minutes.

Network looks good now.

\_\_\_\_end\_\_\_\_

Thu Jun 7 22:51:19 GMT 2012: PSPT Start Patrol

Thu Jun 7 22:53:49 GMT 2012 MKIV Start Patrol

Thu Jun 07 22:54:29 GMT 2012 COMP Start Patrol

Thu Jun 7 23:02:47 GMT 2012 CHIP LSD

Thu Jun 7 23:04:31 GMT 2012 CHIP End LSD

Thu Jun 7 23:04:39 GMT 2012 CHIP BiasLSD

Thu Jun 7 23:05:54 GMT 2012 MKIV End Patrol

Thu Jun 7 23:05:16 GMT 2012 CHIP End BiasLSD

Thu Jun 7 23:05:28 GMT 2012 CHIP Bias

Thu Jun 07 23:06:16 GMT 2012 COMP End Patrol

Thu Jun 7 23:06:17 GMT 2012 CHIP End Bias

Thu Jun 7 23:06:25 GMT 2012 CHIP ReStart Patrol

Thu Jun 7 23:07:58 GMT 2012 MKIV Start Patrol

Thu Jun 7 23:41:38 GMT 2012 MKIV End Patrol

CoMP COMMENT BY BEN: Fri Jun 8 00:09:39 GMT 2012

I tried to trace down what VI is responsible for missing the 30 second cadance.  
I found the Run Recipe can complete the 1074\_V\_3\_250ms\_2beam.rcp in 22.5 +/-1 second. Unless I am doing something to tax the PC, in those cases the maximum run I saw was 25seconds.  
I also noted that when we did miss the cadance we weren't at the upper limit of that range; qualitatively it felt like when Run Recipe completed under 22 seconds we were more likely to miss the cadance. (but likely a red herring).  
Due to the timer location, these measurements didn't capture plotting the intensity graph on the main VI or the running of the "Post Process Files" vi  
Other possible locations for the time loss could be the, load recipe vi, the adjust filter wheel vi, and Read temps.  
More investigation to come.

\_\_\_\_end\_\_\_\_  
Fri Jun 8 00:19:24 GMT 2012 CHIP End Patrol  
Fri Jun 8 00:20:49 GMT 2012: PSPT Abort Patrol  
Fri Jun 8 00:20:57 GMT 2012: PSPT Abort Patrol  
Fri Jun 08 00:21:31 GMT 2012 H-ALPHA End Patrol  
Fri Jun 8 00:27:52 GMT 2012  
MkIV

17_33.rawmk4	17_44.rawmk4	21_35.rawmk4	22_59.rawmk4	23_13.rawmk4
17_36.rawmk4	17_47.rawmk4	21_38.rawmk4	23_02.rawmk4	23_16.rawmk4
17_39.rawmk4	17_50.rawmk4	22_53.rawmk4	23_07.rawmk4	
17_42.rawmk4	17_53.rawmk4	22_56.rawmk4	23_10.rawmk4	